

VOR SIS

ULTRA-HIGH RESOLUTION PROCESSING



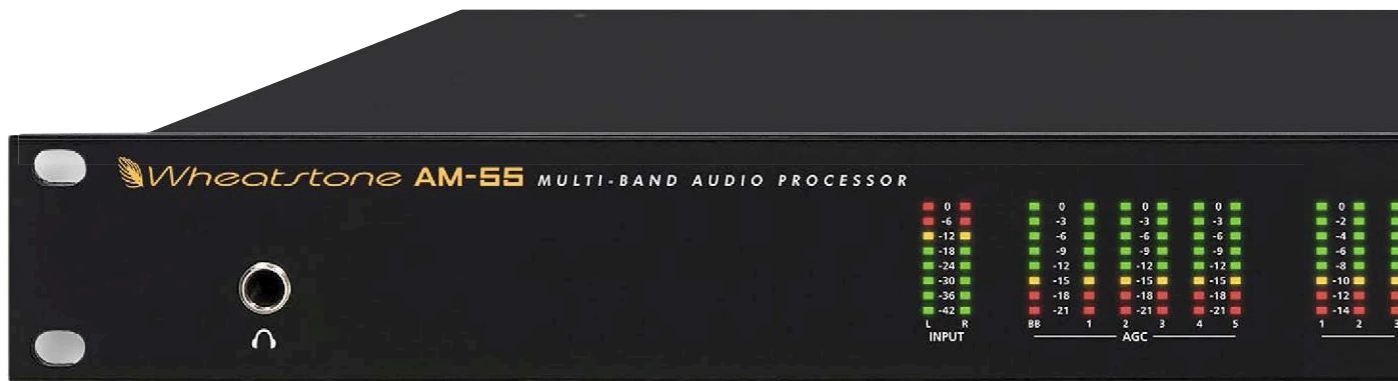
AM-55

AM DIGITAL AUDIO PROCESSOR



AM-55

you won't believe how great AM can sound...



Our AM-55 AM audio processor is powerfully modern, yet affordable. Its intelligent five-band AGC, or iAGC, optimized for the AM band is why. This is the real deal for AM stations requiring bold, consistent sound.

Unique among AM processors, the AM-55 includes new intelligent five-band AGC technology — or iAGC — coupled to a five-band limiter. The combination provides automatic and superior real-time program density control for a consistent, spectrally-balanced sound regardless of density variations in incoming source material.

Other features of the AM-55 include effective bass management, IP network interface and a powerful GUI interface.

The new AM-55 accepts analog and digital sources, and automatically switches sources upon loss of the primary signal. A phase rotator assures that voice is as loud and clean as possible when processed.

This processor interfaces to the WheatNet-IP Intelligent Network, making it possible for broadcasters to stream its audio to and from anywhere in the IP audio network. Like its cousin the FM-55 audio processor, the AM-55 is smartly designed with a front panel OLED display, Guru GUI navigation and headphone jack — as well as the incredible sound and build quality that the industry has come to expect of a Wheatstone audio processor.

Intelligent iAGC

A Wheatstone exclusive, our newly developed adaptive multiband iAGC — or intelligent AGC — allows unobtrusive transitions between hyper-compressed recordings and those with more dynamic range. Our iAGC effectively manages the behavior of the multiband AGC as program content density changes, something a typical broadband AGC simply cannot do.

Crossover frequencies are adjusted so that even at the most narrow transmission bandwidth settings, you still have five full bands of AGC in order to assure good intelligibility on AM radios.

Vorsis Bass Management System

Processing bass for AM has always been a challenge. The goal, rarely achieved, is to produce a strong punchy bass without distortion or strange dynamic gain changes. The AM-55's Bass Management System is optimized for AM and circumvents lower-end related distortion plaguing other broadcast audio processors. It works in concert with the limiter to produce a natural, well-controlled bass sound.



WheatNet-IP Compatible

WheatNet-IP I/O compatibility makes it possible to control the AM-55 and stream its audio to and from anywhere in the IP audio network, making it 100% compatible with WheatNet-IP surfaces and controllers!

GUI Guru

Each Wheatstone broadcast audio processor comes packaged with our powerful GUI Guru software. It's as if we sent a processing expert with each box! GUI Guru makes the tough, behind-the-scenes decisions based on the simple-to-use controls supplied for AGC, Compression, Density, Loudness, and Bass and Treble.

- Multiband adaptive iAGC
- Bass Management System optimized for AM
- Four-band full parametric equalizer
- Variable high pass filter and voice phase rotator
- Ethernet-based remote control via 100BaseT Ethernet and rear panel RJ-45
- Four GPI preset triggers
- Front panel OLED and headphone jack
- Specially tuned factory presets
- Guru GUI, for easy setup and navigation
- WheatNet-IP compatible
- Front panel setup and configuration menu eliminates the need for a PC during installation



AM-55 Audio Processing Guru® Software

Processing is as much art as science. If you're more artist than scientist and have trouble keeping track of the dozens and sometimes hundreds of controls that modern processors offer, Audio Processing Guru® software will be the key to happiness. It condenses the functions of the various processor controls down to just a few, easy-to-understand sliders, enabling you to concentrate on what you hear, not what you see.



ULTRA-HIGH RESOLUTION PROCESSING

Wheatstone believes that you should have the power to shape your OWN sound – one with a completely unique sonic signature that's your sound, not the one created by a processor manufacturer. To achieve this goal Wheatstone has developed Vorsis Ultra-High Resolution Processing technology to provide completely clean, high quality 'draw you in' sound that even the best ears in the business love to hear. This proven Vorsis technology is embedded in every Wheatstone processor to create the cleanest sound, as loud as you want it.

Getting there required taking a completely fresh approach to processing. Vorsis Dynamics Control (AGC and compression) employs multiband AGC to ensure consistent spectral balance. Its Multiband Compressor works with the AGC to provide unprecedented dynamics control.

Our bass management system, Bass Tools, extracts and reveals nuances in the program to deliver pristine, deep, distortion-free bass over the air. No other processor delivers bass this bold and clean.

Specifications and features subject to change without notice.

Vorsis' Superior Stereo Enhancement is integral to the processing and creates a smear-free perception of a wider sound field in the cleanest possible way. Just stunning.

Our limiting and clipping are, bar none, the finest you'll ever use, ensuring surgical precision and the ability to have the cleanest, loudest signal on the dial.

Vorsis' presets are also some of the finest in the world. You may never need to tweak them, but if you do, our Graphical User Interface, whether via the front panel or accessed by a PC, gives you an intuitive toolset that'll make you feel right at home.

We think Wheatstone's Vorsis Ultra-High Resolution Processing is the best you'll ever use. But don't take our word for it. Try it out. We CAN guarantee you'll be happy you did!

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 **Wheatstone**
BROADCAST AUDIO PERFECTIONISTS®